5

AMENDMENT(S) TO THE CLAIMS

1. (currently amended) A process of treating a fiber stock suspension for at least one of paper and cardboard production, said process comprising the steps of:

providing the fiber stock suspension, with a moistened fiber material having fiber surfaces, said stock suspension having a stock pH associated therewith, said stock pH being set in an approximate range of 10 to 13;

adding at least one additive to the fiber suspension, including at least one said additive being CaCO₃;

treating the fiber suspension and the at least one additive together in a fluffer operated under fiber stock fluffing conditions; and

- separating the fiber material within said fluffer so as to increase a specific surface thereof, thereby optimizing accessibility of educts to the fiber surfaces.
 - 2. (previously presented) The process of claim 1, wherein one said additive is a filter incorporated onto the fiber surfaces during said separating step.
 - 3. (original) The process of claim 1, wherein said fluffer separates the fiber material into individual fibers.
 - 4. (original) The process of claim 1, wherein said fluffer is used for pre-treating the fiber stock suspension.

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- 5. (original) The process of claim 1, wherein said fluffer is comprised of at least one of knives and toothed fluffer disks.
- 6. (original) The process of claim 1, wherein the fluffer has a working area which is pressurized.
- 7. (original) The process of claim 6, wherein a pressure in said working area is within an approximate range of 0.1 to 20 bar.
- 8. (original) The process of claim 1, wherein said process has a volume and mass flow rate associated therewith, said volume and mass flow rate being adjustable within an approximate range of 5 tons/day to 1500 tons/day.
- 9. (original) The process of claim 1, wherein said fiber stock suspension within said fluffer has a stock temperature, the stock temperature being capable of being regulated within an approximate range of 5° C to 250° C.
- 10. (original) The process of claim 1, wherein the at least one additive is added to the fiber stock suspension at an approximate ratio of 15% to 40%.
- 11. (original) The process of claim 10, wherein the at least one additive is added to the fiber stock suspension at an approximate ratio of 20% to 25%.

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PATENT Group 1731

12. (cancelled).

- 13. (previously presented) The process of claim 1, said CaCO₃ being added to the fiber stock suspension at least one of prior to, in and after said fluffer.
- 14. (original) The process of claim 13, wherein said CaCO₃ has temperature selected to be in an approximate range of -10° C to 250° C.
- 15. (currently amended) The process of claim 1, wherein one said step of adding at least one additive is includes adding Ca(OH)₂, said Ca(OH)₂ being added to the fiber stock suspension at least one of prior to, in and after said fluffer.
- 16. (original) The process of claim 15, wherein said Ca(OH)₂ is added at an approximate ratio of 1% to 60%.
- 17. (original) The process of claim 15, wherein said Ca(OH)₂ has a particle surface of greater than 30,000 cm²/g.
- 18. (original) The process of claim 5, wherein said fluffer includes at least one pair of adjoining fluffer disks, each pair of adjoining fluffer disks defining a nip, each nip having a nip width, said nip width being adjustable within a range of about 0.1 mm to about 100 mm.

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19. (original) The process of claim 1, wherein said process has an energy requirement Group 1731 associated therewith, said energy requirement being selected from an approximate range of 5 kWh/t to 200kWh/t.

20. through 32. - (cancelled)